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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/819,703	03/29/2001	Kenichiro Sakai	826.1720	4089

21171 7590 03/15/2007  
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1201 NEW YORK AVENUE, N.W.  
WASHINGTON, DC 20005

EXAMINER
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NGUYEN, HAU H

ART UNIT	PAPER NUMBER
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2628

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	03/15/2007	PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

<b>Office Action Summary</b>	<b>Application No.</b> 09/819,703	<b>Applicant(s)</b> SAKAI ET AL.	
	<b>Examiner</b> Hau H. Nguyen	<b>Art Unit</b> 2628	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 18 December 2006.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-5 and 7-15 is/are pending in the application.
- 4a) Of the above claim(s) 6 is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-5 and 7-15 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

### DETAILED ACTION

The response filed on December 18, 2006 has been fully considered in preparing for this Office Action.

#### ***Claim Rejections - 35 USC § 103***

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-5 and 7-15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Nunokawa et al (6,335,729 hereinafter "Nunokawa") in view of Ogawa et al (6,529, 218 hereinafter "Ogawa").

Nunokawa teaches an image display device and a method (Figs. 1 and 3) for storing a *plurality of images* (map data) and displaying the image based on a user's *display operation* (from operation unit 19) comprising a *non-volatile storage unit* (18) storing data which can be rewritten and maintaining stored data even if a main power supply is switched off; *an image storage unit* (17) storing an image; *an image display unit* (15) displaying the image stored in the image storage unit; an operation detection unit detecting a user's display operation to modify a display state of the image displayed on the image display unit (col. 4, lines 15-22); a *display information reading unit* (such as a step of reading, col. 2, lines 33-35) for reading the display information from said non-volatile storage unit when power is switched on; and a display information writing

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unit (steps 109 and 110) for writing the display information for indicating a display state. Nunokawa further teaches to store "predetermined control information into the non-volatile storage means to eliminate a need for reading various control data for the recording medium after the power supply is turned on and makes it possible to reduce the time spent before information is displayed after the power supply is turned on accordingly" (col. 10, line 61 to col. 11, line 3 and col. 8, lines 17-21). Nunokawa fails to teach the display information writing unit writing display information for indicating a display state including a displayed position.

However, Ogawa teach an image display device as shown in Fig. 1, comprising a non-volatile memory 14, operation detection 30, image storing unit 13, image display unit 21 (col. 4, lines 3-25). Ogawa further teach a display information writing unit for writing display information indicating a display state including a displayed position (Fig. 2, steps S103-S109, col. 5, lines 5-35), Ogawa further teach the display state including magnification (as shown in Fig. 2, step 118, Fig. 5, Menu 29, and col. 6, lines 20-24, and col. 8, lines 42-46). Thus, it would have been obvious to one skilled in the art to combine the method as taught by Nunokawa in combination with the method as taught by Ogawa in order to easily retrieve the latest image just before the power being turned off, and thereby providing convenience to the user, and reducing power consumption.

Therefore, at least claims 1, 2, 4, 7, 8, 10-15 would have been obvious.

As per claim 3, Nunokawa and Ogawa fail explicitly teach or suggest if the display information read from said non-volatile storage unit is not a prescribed value, said display information reading unit modifies the display information to a prescribed

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rating value. However, since the displayed image has a certain resolution permitted by the display device, the scaled or enlarged displayed image should have a limit to the magnification. Therefore, the display information reading unit should modify the image to fit the permitted resolution of the display device.

As per claim 5, Nunokawa teaches if said operation detection unit does not detect another user's display operation during a specific time period after detecting a user's display operation, said display information writing unit writes the display information in said non-volatile storage unit (such as, in the parking lot when the car is not moving).

As per claim 9, Nunokawa teaches the display information includes at least one of information for specifying an original image, information about magnification of a display image and information for indicating a position in the original image of a display image (col. 4, lines 15-38). This is also taught in Ogawa for enlarging and reducing the image.

### ***Response to Arguments***

Applicant's arguments filed December 18, 2006 have been fully considered but they are not persuasive. In response to Applicant's argument that the cited prior art does not teach the display state including *magnification*, the examiner disagrees. In fact, as cited above, Ogawa also teach the display state includes magnification (Fig. 2, step 118, Fig. 5, Menu 29, col. 6, lines 20-24, and Fig. 6, col. 8, lines 42-46).

***Conclusion***

3. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hau H. Nguyen whose telephone number is: 571-272-7787. The examiner can normally be reached on MON-FRI from 8:30-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kee Tung can be reached on (571) 272-7794.

The fax number for the organization where this application or proceeding is assigned is 571-273-8300.


Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For

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more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system contact the Electronic Business Center (EBC) at 866-2 17-9197 (toll-free).

H. Nguyen

3/9/2007



KEE M. TUNG  
SUPERVISORY PATENT EXAMINER